

## USER INTERACTIVE LEVEL SET METHODS FOR IMAGE SEGMENTATION

### Abstract of the Disclosure

5        A method for boundary based image segmentation  
comprises segmenting an image, providing a level set  
representation of the segmentation for interaction, and  
providing an interactive edit of the level set  
representation. The method further comprises converting the  
10 interactive edit into a propagation constraint, and  
determining a segment according to the interactive edit and  
the level set representation.